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# 32nd International Symposium on Lattice Field Theory (Lattice 2014)

## Monday 23 June 2014

### Algorithms and Machines: Parallel 1F - 415 Schapiro (14:15-15:55)

- Conveners: Dr. Clark, Mike

time	title	presenter
14:15	Dynamical QCD+QED simulation with staggered quarks	ZHOU, Ran
14:35	Application of Adaptive Multigrid Algorithm in Hybrid Monte Carlo Simulations	LIN, Meifeng
14:55	Diffusion of topological charge and scaling of autocorrelation times in hybrid Monte Carlo simulations of lattice QCD	MCGLYNN, Greg
15:15	Multigrid Preconditioning for the Overlap Operator	ROTTMANN, Matthias
15:35	The FUEL code project	OSBORN, James

### Algorithms and Machines: Parallel 2F - 415 Schapiro (16:30-18:30)

- Conveners: Osborn, James

time	title	presenter
16:30	CLS 2+1 flavor simulations	KORCYL, Piotr
16:50	Adaptive Multigrid Solvers for LQCD on GPUs	CLARK, M
17:10	Extending the QUDA library with the EigCG solver	STRELCHENKO, Alexei
17:30	Achieving strong scaling in many-GPU calculations in lattice QCD	FOLEY, Justin
17:50	Coulomb and Landau Gauge Fixing in GPUs using CUDA and MILC	CARDOSO, Nuno
18:10	Staggered Dslash Performance on Intel Xeon Phi Architecture	LI, Ruizi

# Friday 27 June 2014

## **Algorithms and Machines: Parallel 8F - 203 Math (14:15-15:55)**

- Conveners: Prof. Gottlieb, Steve

time	title	presenter
14:15	An algorithm for thimble regularization of lattice field theories (and possibly not only for that)	DI RENZO, Francesco
14:35	A Method to Calculate Conserved Currents and Fermionic Force for the Lanczos Approximation to the Overlap Dirac Operator	PUHR, Matthias
14:55	Conjugate Directions in Landau and Coulomb Lattice Gauge Fixing	HUDSPITH, Renwick
15:15	A filtering technique for the temporally reduced matrix of the Wilson fermion determinant	NAGATA, Keitaro
15:35	pyQCD: A Native Lattice Simulation Package for Python	SPRAGGS, Matthew